

# Francisco J Real

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50  
papers

2,291  
citations

27  
h-index

47  
g-index

50  
ext. papers

2,492  
ext. citations

7.5  
avg, IF

4.8  
L-index

#	Paper	IF	Citations
50	Photosensitizer method to determine rate constants for the reaction of carbonate radical with organic compounds. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 9182-8	10.3	333
49	Degradation of carbofuran by using ozone, UV radiation and advanced oxidation processes. <i>Journal of Hazardous Materials</i> , <b>2002</b> , 89, 51-65	12.8	127
48	Kinetics of aqueous chlorination of some pharmaceuticals and their elimination from water matrices. <i>Water Research</i> , <b>2010</b> , 44, 4158-70	12.5	109
47	Comparison of different chemical oxidation treatments for the removal of selected pharmaceuticals in water matrices. <i>Chemical Engineering Journal</i> , <b>2011</b> , 168, 1149-1156	14.7	106
46	Kinetics of the Chemical Oxidation of the Pharmaceuticals Primidone, Ketoprofen, and Diatrizoate in Ultrapure and Natural Waters. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 3380-3388	3.9	98
45	Membrane filtration technologies applied to municipal secondary effluents for potential reuse. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 177, 390-8	12.8	92
44	Ozonation of pharmaceutical compounds: Rate constants and elimination in various water matrices. <i>Chemosphere</i> , <b>2009</b> , 77, 53-9	8.4	86
43	Photochemical oxidation processes for the elimination of phenyl-urea herbicides in waters. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 138, 278-87	12.8	85
42	Coupling of adsorption, coagulation, and ultrafiltration processes for the removal of emerging contaminants in a secondary effluent. <i>Chemical Engineering Journal</i> , <b>2012</b> , 210, 1-8	14.7	84
41	Photolysis of model emerging contaminants in ultra-pure water: kinetics, by-products formation and degradation pathways. <i>Water Research</i> , <b>2013</b> , 47, 870-80	12.5	68
40	Micropollutants removal from retentates generated in ultrafiltration and nanofiltration treatments of municipal secondary effluents by means of coagulation, oxidation, and adsorption processes. <i>Chemical Engineering Journal</i> , <b>2016</b> , 289, 48-58	14.7	67
39	Kinetics of the transformation of phenyl-urea herbicides during ozonation of natural waters: rate constants and model predictions. <i>Water Research</i> , <b>2007</b> , 41, 4073-84	12.5	67
38	Gallic acid degradation in aqueous solutions by UV/H <sub>2</sub> O <sub>2</sub> treatment, Fenton's reagent and the photo-Fenton system. <i>Journal of Hazardous Materials</i> , <b>2005</b> , 126, 31-9	12.8	60
37	Kinetics of photodegradation and ozonation of pentachlorophenol. <i>Chemosphere</i> , <b>2003</b> , 51, 651-62	8.4	57
36	Chlorination and bromination kinetics of emerging contaminants in aqueous systems. <i>Chemical Engineering Journal</i> , <b>2013</b> , 219, 43-50	14.7	48
35	Chlorination of organophosphorus pesticides in natural waters. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 153, 320-8	12.8	45
34	Degradation of selected emerging contaminants by UV-activated persulfate: Kinetics and influence of matrix constituents. <i>Separation and Purification Technology</i> , <b>2018</b> , 201, 41-50	8.3	43

33	Ultrafiltration and nanofiltration membranes applied to the removal of the pharmaceuticals amoxicillin, naproxen, metoprolol and phenacetin from water. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 858-866	3.5	43
32	Oxidation of MCPA and 2,4-D by UV radiation, ozone, and the combinations UV/H <sub>2</sub> O <sub>2</sub> and O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2004</b> , 39, 393-409	2.2	43
31	Removal of selected pharmaceuticals in waters by photochemical processes. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2009</b> , 84, 1186-1195	3.5	42
30	Removal of phenyl-urea herbicides in ultrapure water by ultrafiltration and nanofiltration processes. <i>Water Research</i> , <b>2009</b> , 43, 267-76	12.5	42
29	Removal of emerging contaminants from secondary effluents by micellar-enhanced ultrafiltration. <i>Separation and Purification Technology</i> , <b>2017</b> , 181, 123-131	8.3	41
28	Kinetics of phenylurea herbicides oxidation by Fenton and photo-Fenton processes. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2007</b> , 82, 65-73	3.5	37
27	Elimination of Selected Emerging Contaminants by the Combination of Membrane Filtration and Chemical Oxidation Processes. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	35
26	Removal of diazinon by various advanced oxidation processes. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2007</b> , 82, 566-574	3.5	31
25	Oxidation of hydrochlorothiazide by UV radiation, hydroxyl radicals and ozone: Kinetics and elimination from water systems. <i>Chemical Engineering Journal</i> , <b>2010</b> , 160, 72-78	14.7	30
24	Oxidation of chlorfenvinphos in ultrapure and natural waters by ozonation and photochemical processes. <i>Water Research</i> , <b>2008</b> , 42, 3198-206	12.5	30
23	Kinetics of reactions between chlorine or bromine and the herbicides diuron and isoproturon. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2007</b> , 82, 214-222	3.5	27
22	Ozonation of benzotriazole and methylindole: Kinetic modeling, identification of intermediates and reaction mechanisms. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 282, 224-32	12.8	26
21	Ozone and membrane filtration based strategies for the treatment of cork processing wastewaters. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 152, 373-80	12.8	26
20	Combined chemical oxidation and membrane filtration techniques applied to the removal of some selected pharmaceuticals from water systems. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 522-33	2.3	25
19	Non-catalytic and catalytic wet air oxidation of pharmaceuticals in ultra-pure and natural waters. <i>Chemical Engineering Research and Design</i> , <b>2011</b> , 89, 334-341	5.5	25
18	Removal of phenyl-urea herbicides in natural waters by UF membranes: Permeate flux, analysis of resistances and rejection coefficients. <i>Separation and Purification Technology</i> , <b>2009</b> , 65, 322-330	8.3	24
17	Bromination of selected pharmaceuticals in water matrices. <i>Chemosphere</i> , <b>2011</b> , 85, 1430-7	8.4	20
16	Removal of phenolic compounds in water by ultrafiltration membrane treatments. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2005</b> , 40, 1585-603	2.3	20

15	Determination of the Reaction Rate Constants and Decomposition Mechanisms of Ozone with Two Model Emerging Contaminants: DEET and Nortriptyline. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 17064-17073	3.9	18
14	Elimination of the Emerging Contaminants Amitriptyline Hydrochloride, Methyl Salicylate, and 2-Phenoxyethanol in Ultrapure Water and Secondary Effluents by Photolytic and Radicalary Pathways. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 16209-16215	3.9	14
13	Oxidation of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2-phenoxyethanol by persulfate activated by UV irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 1004-1011	3.5	14
12	Modeling the photodegradation of emerging contaminants in waters by UV radiation and UV/H <sub>2</sub> O <sub>2</sub> system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2013</b> , 48, 120-8	2.3	13
11	Oxidation of acetovanillone by photochemical processes and hydroxyl radicals. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2005</b> , 40, 2153-69	2.3	12
10	Adsorption of selected emerging contaminants onto PAC and GAC: Equilibrium isotherms, kinetics, and effect of the water matrix. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2017</b> , 52, 727-734	2.3	11
9	The Effectiveness of Single Oxidants and AOPs in the Degradation of Emerging Contaminants in Waters: A Comparison Study. <i>Ozone: Science and Engineering</i> , <b>2013</b> , 35, 263-272	2.4	11
8	Assessment of the UV/Cl advanced oxidation process for the degradation of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2-phenoxyethanol in water systems. <i>Environmental Technology (United Kingdom)</i> , <b>2017</b> , 38, 2508-2516	2.6	10
7	Nanofiltration processes applied to the removal of phenyl-ureas in natural waters. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 714-23	12.8	10
6	Combination of chemical oxidation-membrane filtration processes for the elimination of phenyl-ureas in water matrices. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2009</b> , 84, 1883-1893	3.5	9
5	Comparison between chlorination and ozonation treatments for the elimination of the emerging contaminants amitriptyline hydrochloride, methyl salicylate and 2-phenoxyethanol in surface waters and secondary effluents. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 1400-1407	3.5	8
4	Elimination of organic matter present in wastewaters from the cork industry by membrane filtration. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 309-316	3.5	8
3	ELIMINATION OF BENZENE AND CHLOROBENZENES BY PHOTODEGRADATION AND OZONATION PROCESSES. <i>Chemical Engineering Communications</i> , <b>2007</b> , 194, 811-827	2.2	4
2	Oxidation of Esculetin, a Model Pollutant Present in Cork Processing Wastewaters, by Chemical Methods. <i>Ozone: Science and Engineering</i> , <b>2005</b> , 27, 317-326	2.4	4
1	Influence of membrane, pH and water matrix properties on the retention of emerging contaminants by ultrafiltration and nanofiltration. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 11685-11698		3